



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dino J. Farina, Donald C. Swavely, John A. Vennari, Leticia M. Broome, and Franklin A. Bales

Application No.: 10/824,778 Group Art Unit: 3752

Filed: April 14, 2004 Examiner: Hogan, James Sean

Confirmation No.: 6719

Title: Method of Servicing Companies Associated with a Spray Device Operating Under Guidelines of a Regulatory Body

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
Feb. 14, 2006	Elaine Leahy
Date	Signature
Elaine Leahy	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:
☐ a Statement under 37 CFR 1.97(e), as checked below, or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:
☐ a Statement under 37 CFR 1.97(e), as checked below, and
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application file.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
 - ☒ Copies of the cited references are enclosed.
 - ☐ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
 - ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
 - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
 - ☐ The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:
 - ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
 - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

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Dated: 2/14/06

PTO-1449 REPRODUCED INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION February 14, 2006 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3558.1000-004	APPLICATION NO. 10/824,778	
	FIRST NAMED INVENTOR Dino J. Farina		FILING DATE April 14, 2004
	EXAMINER James Sean Hogan	CONFIRMATION NO. 6719	GROUP 3752

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	A1	Re 34,910	04/18/1995	Funkenbusch et al.
	A2	4,357,670	11/02/1982	McFarlane
	A3	4,415,265	11/15/1983	Campillo et al.
	A4	4,614,300	09/30/1986	Falcoff
	A5	4,965,841	10/23/1990	Kaneko et al.
	A6	4,992,952	02/12/1991	Sasaki
	A7	5,075,014	12/24/1991	Sullivan
	A8	5,337,926	08/16/1994	Drobish et al.
	A9	5,561,527	10/01/1996	Krone-Schmidt et al.
	A10	5,879,713	03/09/1999	Roth et al.
	A11	6,149,071	11/21/2001	MacCallumMhor et al.
	A12	6,193,936 B1	02/23/2001	Gardner et al.
	A13	6,256,597 B1	07/03/2001	Wang et al.
	A14	6,508,112 B1	01/21/2003	Verhoeven
	A15	US 2005 0001054 A1	01/06/2005	Farina et al.
	A16			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	B1	WO 03/000429 A2	01/03/2003	Image Therm Engineering		
	B2					
	B3					
	B4					
	B5					
	B6					
	B7					

EXAMINER	DATE CONSIDERED
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	EXAMINER James Sean Hogan	CONFIRMATION NO. 6719	GROUP 3752	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Dvorak, P., "How to See Aerosol Spray Patterns and Plumes," <i>Machine Design</i> , 72(13): 122 (2000, July 6).
C2	Badreldin, Amira M., "Real-Time Analysis of Fuel Spray Images," <i>IEEE</i> , pp. 622-624 (1987).
C3	Lopera, J. F. G., <i>et al.</i> , "Improved Entropic Edge-Detection." Paper supported by grant MAR97-0464-C04-02 of Spanish Government. No date given.
C4	Pastor, J. V., <i>et al.</i> , "Analysis Methodology of Diesel Spray and Flame by Means of In-Cylinder Endoscopic Imaging," (The Institution of Electrical Engineers). Savoy Place, London: IEE (2000).
C5	Sellens, Rick and Deljouravesh, Rama, "Non-Orthogonal Optical Spray Pattern Analysis," Ninth International Symposium on Applications of Laser Techniques to Fluid Mechanics, Lisbon, Portugal, July 1998.
C6	Sankar, S.V., <i>et al.</i> , "Time-Resolved Measurement of Liquid Mass Distribution in a Fuel Injector Spray Using an Optical Patternator," <i>Institute for Liquid Atomization and Spray Systems, ILASS Americas '97</i> , pp. 266-270, Ottawa, ON, Canada, May 18-21, 1997.
C7	Wang, G., <i>et al.</i> , "An Optical Spray Pattern Analyzer," <i>Institute for Liquid Atomization and Spray Systems, ILASS Americas '97</i> , pp. 261-265, Ottawa, ON, Canada, May 18-21, 1997.
C8	"Image Therm Engineering Ships the First SprayVIEW Nsx System," http://www.imagetherm.com/News_Releases.asp , 2001
C9	
C10	
C11	
C12	
C13	
C14	

EXAMINER	DATE CONSIDERED
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